

# OPERATING INSTRUCTIONS

Please read the instruction manual carefully before operating.

**CAUTION: DESIGNED FOR FRESH WATER USE ONLY.**



## Lightning Bolt

HIGH SPEED RACING BOAT

AVAILABLE  
IN TWO  
COLOURS



### FEATURES

- Professional 2.4GHz radio included
- Radio range - 150m approx.
- Proportional steering and forward speed with slow reverse
- High speed fun at 30km/h\*

### FEATURES

- Professional 2.4GHz radio included
- Proportional steering and forward speed with slow reverse
- High speed fun at 30km/h (depending on battery and weather conditions)
- Powerful 540 size water cooled motor
- Safety features
  - Boat will only operate when placed in water
  - Protective nose piece included
- Capsized boat can be turned upright remotely using the transmitter
- Display stand included
- Available in two colours, Red or Blue

### SPECIFICATIONS

- |                       |                                       |
|-----------------------|---------------------------------------|
| • Hull length:        | 460mm                                 |
| • Hull width:         | 125mm                                 |
| • Height:             | 118mm                                 |
| • Operating Speed:    | 30km/h*                               |
| • Operating Distance: | 150 metres                            |
| • Running time:       | 9 mins*                               |
| • Functions:          | Forward, backward, left, right        |
| • Battery:            | 7.4V Li-ion 1500mAH                   |
| • Charger:            | AC wall charger (Australian Approved) |

### CAUTION:

**FRESH WATER USE ONLY**

**RADIO CONTROLLED MODEL - NOT A TOY.**

Suitable for age 14 and above.  
Do not leave battery unattended when charging.

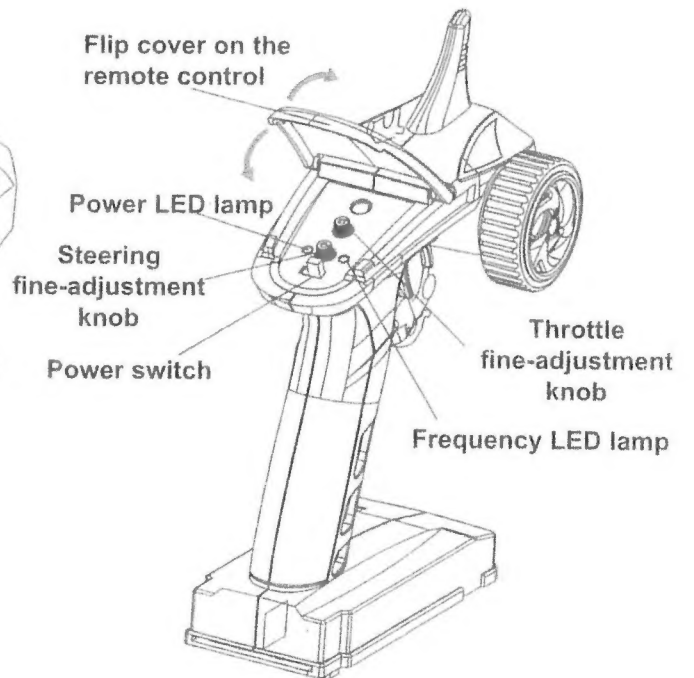
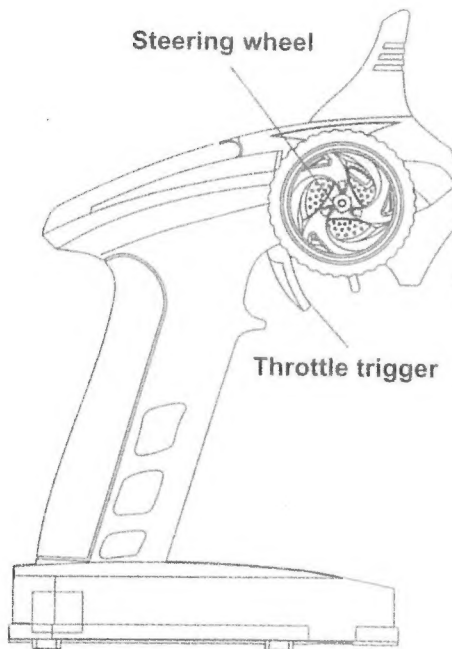
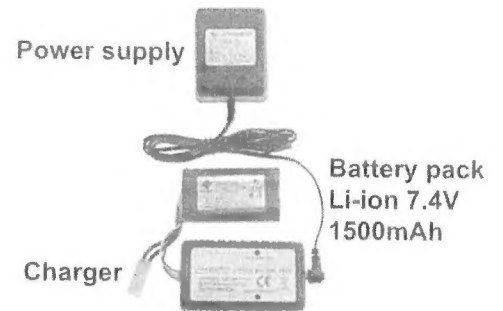
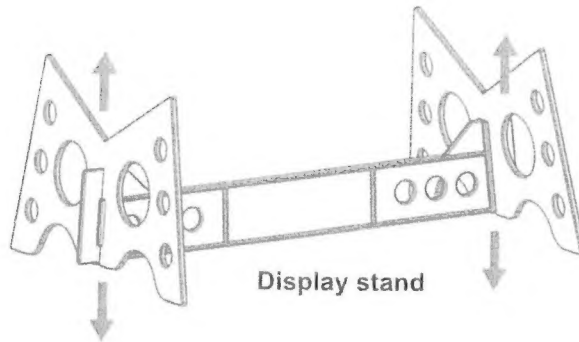
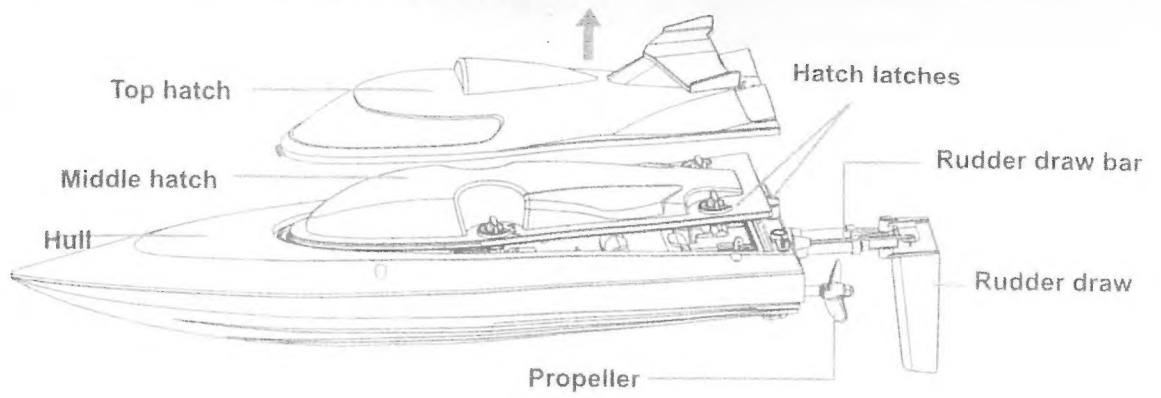


**WARNING: Choking hazard - small parts. Keep away from children under 3 years.**

\*Depending on battery and weather conditions

Please note: Specifications are subject to change or improvement without prior notice.

## Identifying the main components



## Installing batteries in transmitter

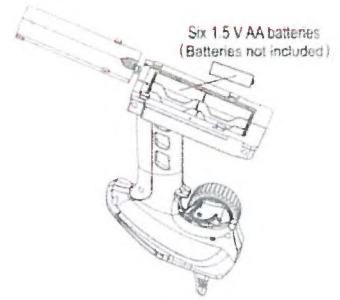
Remove retaining screw and slide open the battery cover on base of the transmitter. Insert six good quality 1.5V AA alkaline batteries into the base of the transmitter. (Batteries not included, purchase separately).

**Safety Warning: Ensure correct polarity, "+" and "-", when inserting batteries.**

Replace battery cover and retaining screw.

## Precautions for batteries in transmitter

1. AA alkaline batteries are recommended.
2. Rechargeable batteries may be used.
3. Non-rechargeable batteries cannot be recharged.
4. Do not short circuit or dismantle alkaline or rechargeable batteries and do not place used batteries into a fire.
5. Charge rechargeable batteries only with Adult supervision.
6. Take rechargeable batteries out of the transmitter to recharge.
7. Ensure correct polarity when replacing batteries.
8. Do not mix battery types or brands and do not mix old and new batteries.
9. Flat batteries must not be left in the transmitter.



## Precautions for Li-ion boat battery

1. Never leave Li-Ion battery in your model when not in use.
2. Regularly check the condition of the battery. If damage is found, do not use or recharge.
3. Only use the charger supplied to charge the Li-ion boat battery.
4. Never store Li-ion batteries in direct sunlight or where temperatures can rise above 60°C.
5. Store batteries when not in use in a flame resistant container such as a ceramic pot.
6. Never short circuit a Li-ion battery pack.
7. Never recharge a warm battery. Allow battery to cool before charging.

## First time use of Li-ion boat battery

The drive battery for the Atomic Lightning Bolt comes fully charged from the factory.

To check the battery is charged:

- Plug the power supply into the wall socket and turn on the power, then plug the power supply lead into the charger. Both the Red and Green LED's should come on to indicate the charger has power.
- Connect the drive battery into the charger, if the Green LED comes on, the battery is fully charged.
- If the Green LED does not come on, wait until the battery is fully charged, the Green LED will then come on and battery is ready for use.

## Recharging boat battery

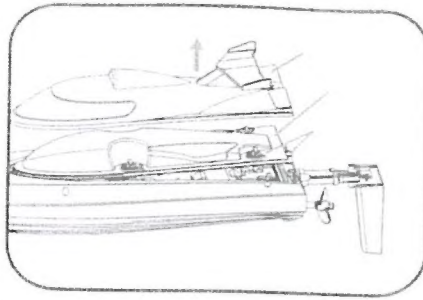
Remove battery from the boat.

1. Plug the power supply into a 240V power socket.
2. Plug the power supply lead into the charger then turn on the 240V power socket. Both the Red and Green LED's should come on. This indicates the charger has power.
3. Connect the boat battery to the charger. The green LED will go out indicating the battery is charging.
4. Charge time is approximately 3.5 hours.
5. Do not leave battery unattended.
6. When the charge is complete, the Green LED will come on.
7. Turn off the power, remove the charger from the socket and disconnect the battery.
8. During charging, if the battery becomes too hot to hold, disconnect from the power and charger immediately.
9. Always recharge the battery before you put the boat away.

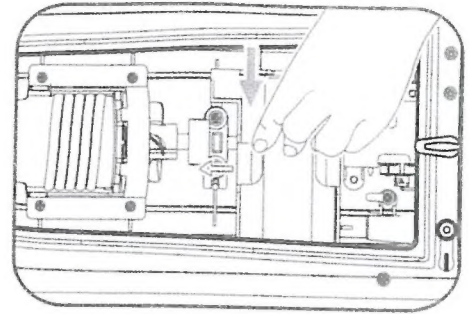
[www.modelengines.com.au](http://www.modelengines.com.au)



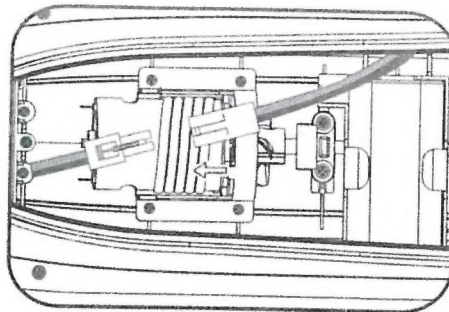
## Installing Li-ion battery in the boat



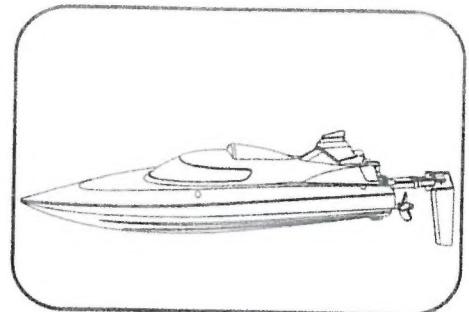
1. Turn the top cover latches and remove the top hatch, then turn the middle cover latches and remove the middle cover.



2. Place a fully charged Li-ion battery in the battery holder of the boat hull.



3. Connect the JST plug on the battery to the JST plug from the ESC (electronic speed controller). Make sure the polarity is correct, Red to Red and Black to Black. **Do Not Plug In The Wrong Way.**



4. Refit the middle cover and secure the latches, then refit the top cover and secure the latches.

## 2.4GHz Binding Instructions

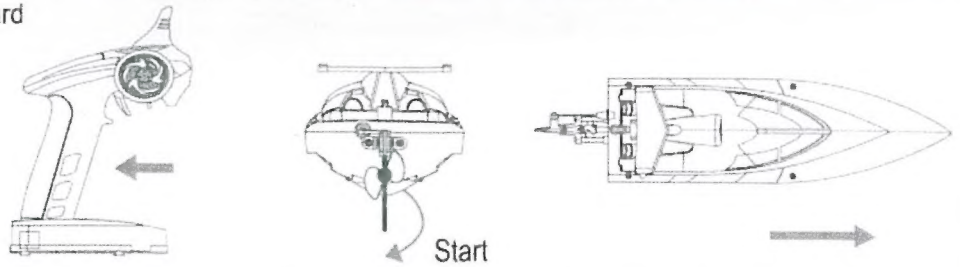
(You only have to perform this binding procedure the first time you use your Atomic Lightning Bolt high speed boat, unless you change the TX or the RX.)

1. Place new AA batteries into the TX (transmitter).
2. Place the fully charged drive battery into the boat and plug the battery into the lead from the speed controller in the boat.
3. Flip open the cover on the top of the TX, noting the Red LED is the Power Light and the Green LED is the Frequency Light.
4. Turn on the TX, the Red LED should glowing, indicating the TX is switched ON, the Green LED will flash, indicating it is searching for the RX (receiver) in the boat.
5. While the green LED is flashing (act quickly as you only have 5 seconds), place the boat in water. (Fresh water in the kitchen sink is ideal for this).
6. The Green LED on the TX will now stay on and you should be able to move the throttle and steering controls on the TX and have the boat respond.

## How to operate your boat

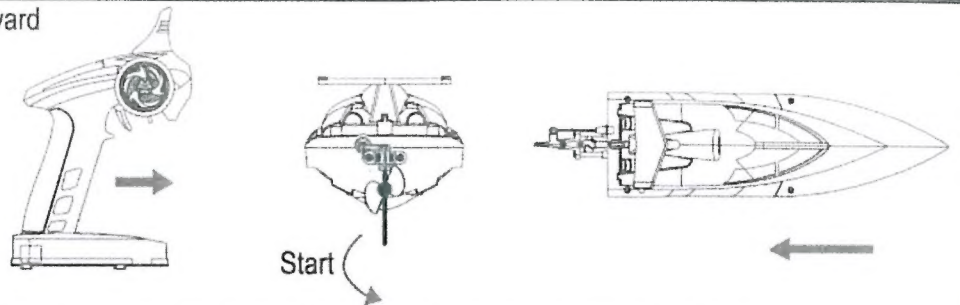
Place the boat into the water. (Boat will only operate when placed in water)

### Forward



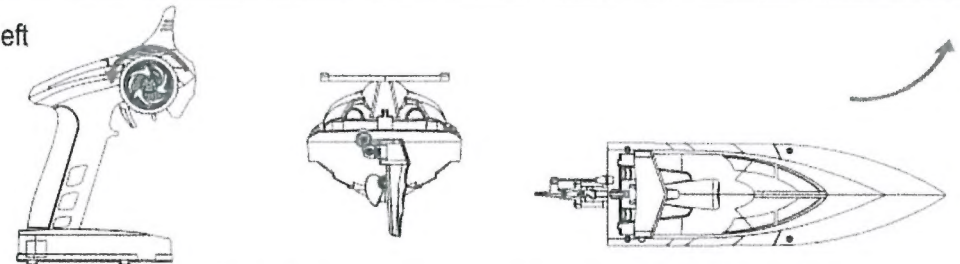
Pull the trigger on the transmitter towards you to make the boat go forwards.

### Backward



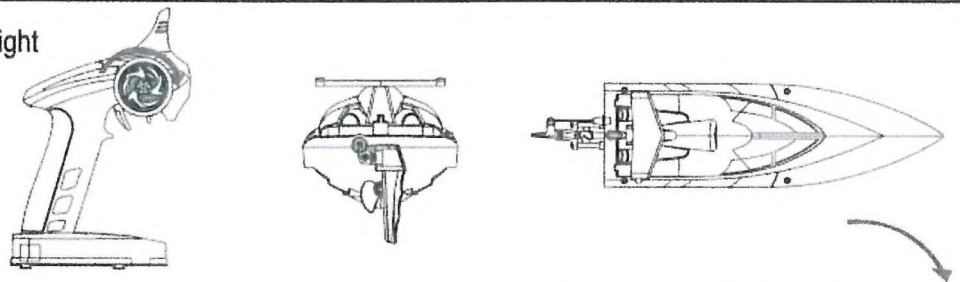
Push the trigger on the transmitter away from you to make the boat go backwards.

### Turn left



Pull the trigger on the transmitter towards you and rotate the direction knob anticlockwise to make the boat turn left.

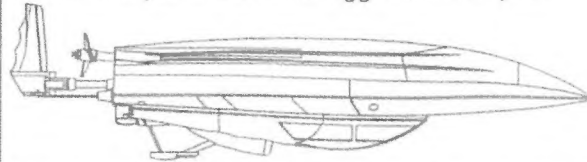
### Turn right



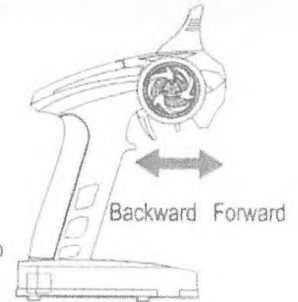
Pull the trigger on the transmitter towards you and rotate the direction knob clockwise to make the boat turn right.

## How to right the boat if it turns over

If the boat flips over and remains upside down, push the throttle trigger on the transmitter away from you and in quick succession pull the throttle trigger towards you.

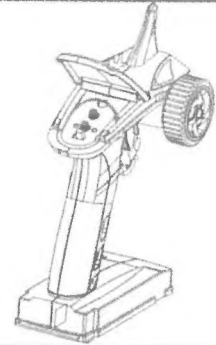
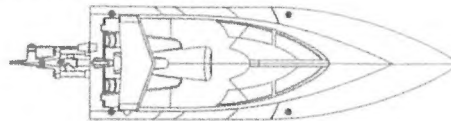


The torque effect produced will right the boat and allow you to keep using the vehicle without having to manually retrieve it.



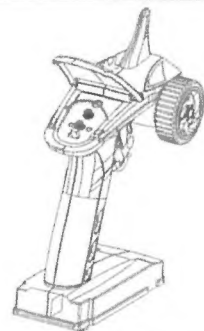
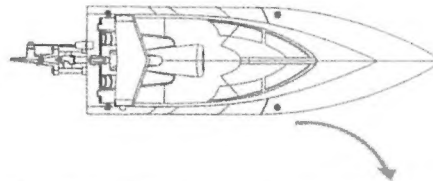
## Fine tuning if the boat turns left

If the boat turns slightly to the left when it should be going straight ahead, slowly rotate the fine adjustment knob on the transmitter clockwise until it travels in a straight line.



## Fine tuning if the boat turns right

If the boat turns slightly to the right when it should be going straight ahead, slowly rotate the fine adjustment knob on the transmitter anti-clockwise until it travels in a straight line.



## Maintenance and Inspection

1. Check for excess water in the hull after every use. If you do find excess water in the hull, pay extra special attention to installing the top hatch, ensuring the silicon seal is correctly in place.
2. Always remove the Li-ion battery from the boat after use.
3. After use, store the boat in the shade or inside to prevent the sun fading the paint.
4. Never use chemicals to clean the boat as this may also damage the paint.
5. The boat is designed for fresh water use only. If the boat comes into contact with brackish or salty water, remove battery and wash the boat thoroughly with fresh water as soon as possible to remove all the salty water.
6. After use, clean the boat using fresh water. Make sure you dry the boat inside and out using a dry cloth or paper towel. This will keep the hull and hatch of the boat looking clean and new.
7. When you are finished using the boat, make sure you have removed the batteries from the boat and the transmitter. This will prevent damage in the event of a battery leak.

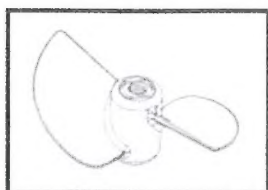


## Spare Parts

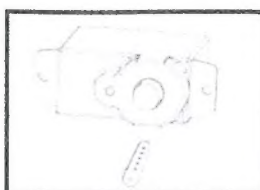
A limited range of spare parts are available to keep your boat going.

Please order the parts you require from your local hobby retailer.

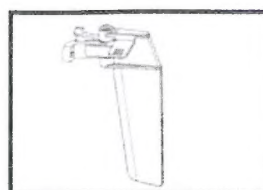
There is a Retailers List on the Model Engines home page: [www.modelengines.com.au](http://www.modelengines.com.au)



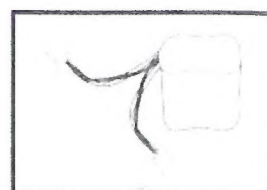
Code: AT044  
Propeller



Code: AT045  
Steering Servo



Code: AT046  
Rudder Assembly



Code: AT047  
Li-ion battery 7.4V  
1500mAH

## Boat Maintenance

1. The boat may be cleaned in fresh water. You must remove the battery before cleaning.
2. Flat batteries must not be left in the boat or the transmitter.
3. If you are not using the boat, remove the battery.
4. Regularly check the condition of the wiring, plugs, hull and other components in case of damage. If damage is found, do not use until repaired.

## Safety Warnings

1. **Safety feature** - Boat will only operate when placed in water. But to prevent possibility of injury from a spinning propeller do not even attempt to run the boat out of the water.
2. The boat should only be used when placed in water and controlled by the transmitter.
3. Adjust the rudder so that it is in line with the centre line of the boat so the boat will track in a straight line.
4. This product is suitable for persons over 14 years of age unless under adult supervision.
5. Make sure there is no one swimming nearby so as to avoid injury.
6. Do not use in water containing foreign bodies which may damage the boat and prevent smooth operation
7. The radio control will operate at distances up to 150m. Do not exceed this distance otherwise you may lose control of the boat.
8. When you are not using the boat, disconnect the battery and turn off the transmitter.
9. When the Li-ion battery in the boat is running out of power, the boat will slow down. Return the boat to shore and recharge as soon as possible.
10. Always recharge the battery before storing it away to prevent damage to the battery.
11. Please be safety conscious and keep the boat under control.
12. Do not enter the water to retrieve the boat without safety protection, so as to avoid accidents.

**FRESH WATER USE ONLY - DO NOT USE IN SALT WATER**

### 30 DAY WARRANTY

Model Engines (Aust.) Pty. Ltd. warrants this product to be free from defects in materials or workmanship for 30 days from the date of purchase and will repair, replace or refund the purchase should the product prove to be defective.

This warranty does not apply to any unit or system or component which has been dropped, damaged in a crash, improperly installed, assembled, handled or abused.

Model Engines (Aust.) Pty. Ltd. reserves the right to void the warranty if the product has been altered or modified, has had a foreign part added, has been misused or not used for the purpose for which it was designed, has been used near or in salt water, has been water damaged, or if the damage has been caused by the customer's use of the product.

Under no circumstances does Model Engines (Aust.) Pty. Ltd. warrant nor will the consumer be entitled to consequential or incidental damages. Model Engines (Aust.) Pty. Ltd. assumes no responsibility for any other damage, inconvenience or other claims whatsoever.

### LODGING A CLAIM

To lodge a claim, present the goods to your place of purchase (retailer where you bought the product) with your original purchase receipt and a written explanation of the defect.

The place of purchase (retailer where you bought the product) will then contact Model Engines (Aust.) Pty. Ltd. for a Return Authority number and will return the item for warranty assessment to Model Engines (Aust.) Pty. Ltd.. Items delivered to Model Engines (Aust.) Pty. Ltd. for warranty assessment without a Return Authority number will be returned to sender.

The warranty process may take up to 14 business days from the date of receipt. Model Engines (Aust.) Pty. Ltd. must assess each item and if warranty applies must repair or replace the item at its discretion and return it to the place of purchase (retailer where you bought the product).

Goods presented for warranty may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.

If the product is proved to be defective the cost and expenses relating to the delivery of the goods to Model Engines (Aust.) Pty. Ltd., will be borne by Model Engines (Aust.) Pty. Ltd..

The benefits of this warranty are in addition to other rights and remedies of the customer under any law to which this warranty relates.

Our goods come with guarantees that cannot be excluded under the Australian consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Model Engines (Aust.) Pty. Ltd., Unit 1, 158-168 Browns Road, Noble Park, Victoria, 3174, Australia.

[www.modelengines.com.au](http://www.modelengines.com.au)

Ph (03) 8793 5555

[warranties@modelengines.com.au](mailto:warranties@modelengines.com.au)

This warranty information relates to goods supplied on a wholesale basis by Model Engines (Aust.) Pty. Ltd. to Australian Retailers. The warranty complies with Australian regulatory requirements and supersedes all warranty information from the original manufacturer.